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ILLINOIS DEPARTMENT OF CONSERVATION

BUREAU OF NATURAL RESOURCES

DIVISION OF FISH AND WILDLIFE RESOURCES

1983 INVENTORY OF ILLINOIS

SURFACE WATER RESOURCES

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Fisheries Resource Analyst
July 1984

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1983 INVENTORY OF ILLINOIS SURFACE WATER RESOURCES

INTRODUCTION

The first Illinois surface water inventory was published by the Division of Fisheries in February 1964 as Special Fisheries Report Number 1. District biologists collected the data for this first inventory from aerial photographs on file in each county Agricultural Stabilization and Conservation Service office, from interviews with county Soil Conservation Service personnel and from data in their own district files.

The original 1964 survey was updated by the 1972 Illinois Surface Water Inventory, published in August 1973 as Special Fisheries Report Number 40, the 1978 Inventory of Illinois Surface Water Resources published in September 1979, and the 1982 Inventory of Illinois Surface Water Resources published in April 1983.

This 1983 Inventory of Illinois Surface Water Resources is a supplement to these earlier surveys and serves to update the surface water inventory to include all waters in the state as of December 31, 1983. The basis for this update is the "new impoundment construction data" collected for each county by the district fisheries managers and published annually. At the end of each year, the biologists contact each county Soil Conservation Service office, as well as other agencies, and compile a list of all new impoundments built during the past year for each county. The data collected includes the size of the new impoundment in acres and the ownership classification.

Classification of Surface Waters

Surface waters are permanent, open bodies of water 0.1 acre or larger. They are separated from wetlands by their permanence and by their general lack of emergent woody or graminoid vegetation. There are four subclasses: Lake Michigan, Reservoir, Impoundment, and Stream.

Lake Michigan:

Only about 7% of Lake Michigan is within the State of Illinois' jurisdiction and only that portion which is in Illinois is included in this inventory.

Reservoirs:

This classification includes only the three Corps of Engineers reservoirs (Carlyle, Rend and Shelbyville).

Impoundments:

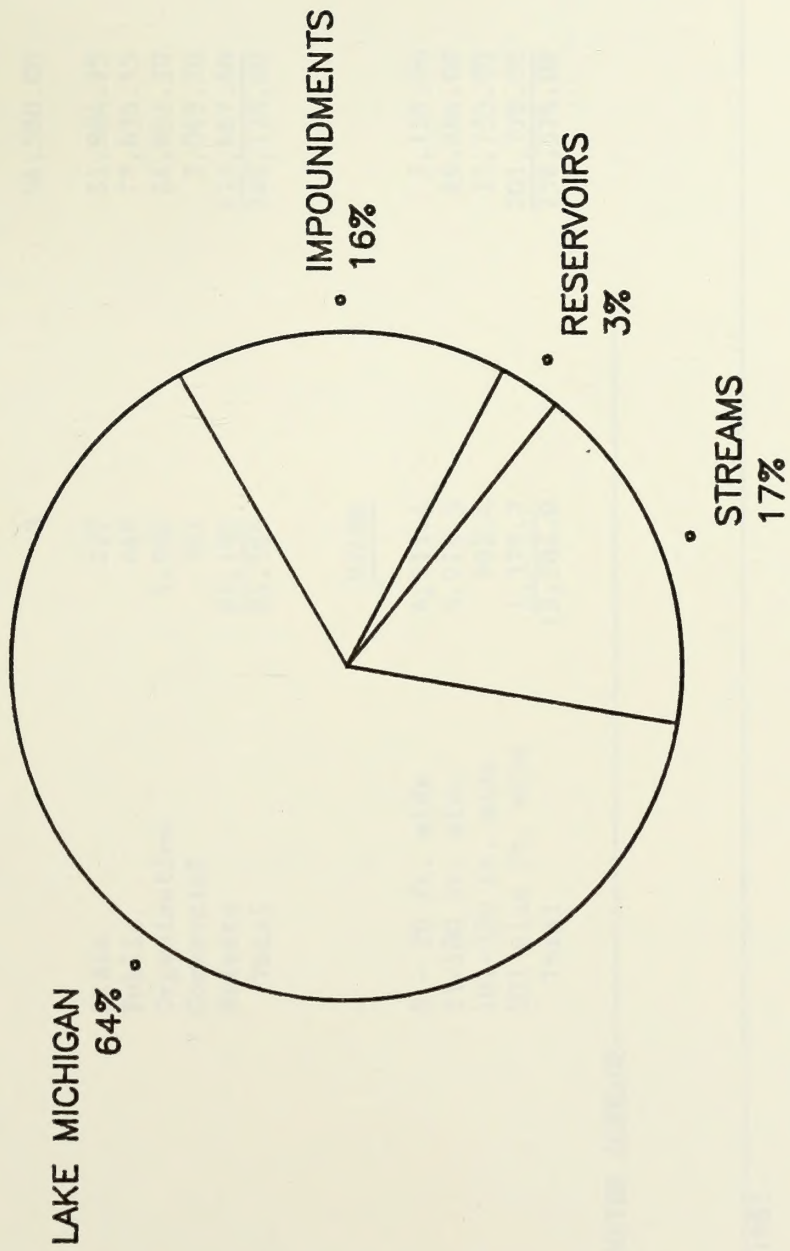
This classification includes all standing bodies of water (lakes and ponds) constructed by artificial means or formed by nature, except Lake Michigan and the three Corps reservoirs. Impoundments are further divided into categories according to ownership as follows:

1. State: This category includes all impoundments owned or leased by the Illinois Department of Conservation.

2. Public: This category includes all impoundments owned or leased by a government agency, other than the Illinois Department of Conservation, that have public access.
3. Organization: This category includes all impoundments owned or leased by any organization of six or more members. Included are sportsmen clubs, scouts, church, civic, fraternal, associations, homeowner groups, country clubs, industrial, institutions, etc.
4. Commercial: This category includes all impoundments privately owned or leased for which a fee is charged for fishing. These areas are licensed by the Illinois Department of Conservation.
5. Private: This category includes all impoundments privately owned or leased which are not organizations or commercial areas.

Streams: This classification includes all flowing waters such as canals, creeks and rivers, regardless of ownership or leasing. Streams are further divided into four width categories as measured by their average width in a county. Intermittent streams are not included in the inventory.

FIG.1. SURFACE WATER ACREAGE
BY WATER TYPE (1983)



TOTAL = 1,536,919 ACRES

TABLE 1. ILLINOIS SURFACE WATER RESOURCES (1983)*

STATEWIDE SUMMARY

Water Resource Type	Category	Number	Acres	Total Acres
Lake Michigan (Ill. portion only)		1	976,640.00	976,640.00
Reservoirs		3	54,580.00	54,580.00
Impoundments:				
	State	227	31,904.95	
	Public	649	77,635.55	
	Organization	1,984	24,851.50	
	Commercial	507	3,045.20	
	Private	81,198	111,687.80	
	Total	84,565	249,125.00	249,125.00
Streams:				
		<u>MILES</u>		
	0 - 20 ft. wide	4,915.4	7,159.00	
	21-100 ft. wide	5,916.5	29,884.00	
	101-300 ft. wide	992.4	17,753.00	
	301 plus ft. wide	1,379.7	201,778.00	
	Total	13,204.0	256,574.00	256,574.00
GRAND TOTAL SURFACE WATER ACREAGE-----				1,536,919.00
				<u>1,536,919.00</u>

*As of December 31, 1983.

REGIONAL AND COUNTY SUMMARY
OF SURFACE WATERS
BY WATER TYPES

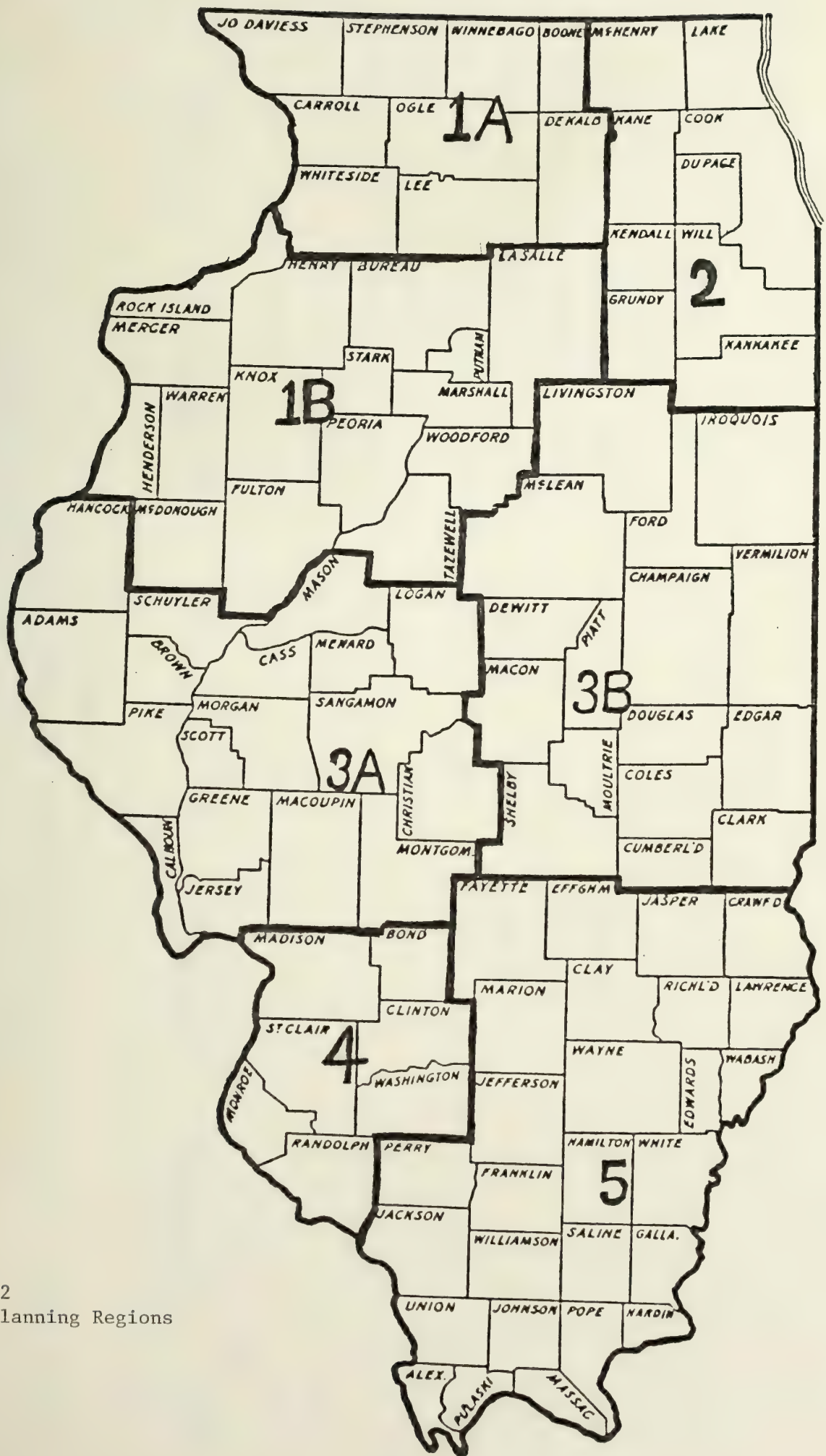


Figure 2
State Planning Regions

Table 2. Number (or Miles) and Acres of Surface Waters by Water Type (1983)

REGION SUMMARY

REGION	LAKE MICHIGAN		RESERVOIRS		IMPOUNDMENTS		STREAMS		TOTAL ACRES
	No.	Acres	No.	Acres	No.	Acres	Miles	Acres	
1A					1,650	10,742.45	1,835.7	38,772.00	49,514.45
1B					9,937	46,590.79	2,639.9	69,454.00	116,044.79
2	1	976,640.0			5,704	39,443.65	1,635.4	18,835.00	1,034,918.65
3A					18,260	58,029.45	2,427.2	73,385.00	131,414.45
3B			1	11,100.00	5,530	19,662.24	1,676.1	6,978.00	37,740.24
4			1	19,780.00	10,335	19,555.55	812.0	20,137.00	59,472.55
5			1	23,700.00	33,149	55,100.87	2,177.7	29,013.00	107,813.87
Total	1	976,640.0	3	54,580.00	84,565	249,125.00	13,204.0 Miles	256,574.00	1,536,919.00

Table 2a. Number (or Miles) and Acres of Surface Waters by Water Type (1983)

REGION 1A - COUNTY SUMMARY

REGION 1A (9 Counties)									
County	LAKE MICHIGAN		RESERVOIRS		IMPOUNDMENTS		STREAMS		TOTAL ACRES
	No.	Acres	No.	Acres	No.	Acres	Miles	Acres	
Boone					117	542.50	134.7	349.00	891.50
Carroll					145	4,925.50	175.3	9,521.00	14,446.50
DeKalb					177	606.20	249.8	617.00	1,223.20
JoDavieess					165	1,479.00	190.8	9,892.00	11,371.00
Lee					395	744.90	190.0	2,781.00	3,525.90
Ogle					153	285.95	200.5	3,072.00	3,357.95
Stephenson					136	267.30	152.1	839.00	1,106.30
Whiteside					153	829.90	321.2	8,610.00	9,439.90
Winnebago					209	1,061.20	221.3	3,091.00	4,152.20
Total	----	-----	----	-----	1,650	10,742.45	1,835.7	38,772.00	49,514.45

Table 2b. Number (or Miles) and Acres of Surface Waters by Water Type (1983)

REGION 1B - COUNTY SUMMARY

County	LAKE MICHIGAN		RESERVOIRS		IMPOUNDMENTS		STREAMS		TOTAL ACRES
	No.	Acres	No.	Acres	No.	Acres	Miles	Acres	
Bureau			254	2,217.40			280.2	1,464.00	3,681.40
Fulton			2,700	11,972.70			310.2	3,122.00	15,094.70
Henderson			295	1,023.75			131.0	12,110.00	13,133.75
Henry			418	890.00			196.6	1,964.00	2,854.00
Knox			1,584	2,351.80			176.3	577.00	2,928.80
LaSalle			638	3,495.45			223.0	5,843.00	9,338.45
Marshall			146	6,116.50			90.0	2,706.00	8,822.50
McDonough			626	792.00			121.0	270.00	1,062.00
Mercer			572	1,476.10			167.5	6,910.00	8,386.10
Peoria			982	1,611.69			158.7	496.00	2,107.69
Putnam			110	7,250.40			20.4	914.00	8,164.40
Rock Island			315	777.00			237.9	15,912.00	16,689.00
Stark			94	190.40			103.4	287.00	477.40
Tazewell			467	4,206.00			186.0	3,340.00	7,546.00
Warren			326	721.00			137.6	574.00	1,295.00
Woodford			410	1,498.60			100.1	12,965.00	14,463.60
Total			9,937	46,590.79			2,639.9	69,454.00	116,044.79

Table 2c. Number (or Miles) and Acres of Surface Waters by Water Type (1983)

REGION 2 - COUNTY SUMMARY

REGION 2 (9 Counties)									
County	LAKE MICHIGAN		RESERVOIRS		IMPOUNDMENTS		STREAMS		TOTAL ACRES
	No.	Acres	No.	Acres	No.	Acres	Miles	Acres	
Cook	-	429,722.00			1,277	7,775.85	409.4	3,708.00	441,205.85
DuPage					578	1,224.20	111.1	574.00	1,798.20
Grundy					244	4,286.55	158.9	2,931.00	7,217.55
Kane					488	812.90	194.9	1,534.00	2,346.90
Kankakee					143	524.50	89.7	1,877.00	2,401.50
Kendall					172	254.75	81.1	1,189.00	1,443.75
Lake	1	546,918.00			961	13,749.30	221.5	1,025.00	561,692.30
McHenry					789	4,080.30	157.9	1,183.00	5,263.30
Will					1,052	6,735.30	210.9	4,814.00	11,549.30
Total	1	976,640.00	---	-----	5,704	39,443.65	1,635.4	18,835.00	1,034,918.65

REGION 3A - COUNTY SUMMARY

REGION 3A (18 Counties)									
County	LAKE MICHIGAN		RESERVOIRS		IMPOUNDMENTS		STREAMS		TOTAL ACRES
	No.	Acres	No.	Acres	No.	Acres	Miles	Acres	
Adams			2,525	2,644.55			207.2	8,748.00	11,392.55
Brown			1,032	1,027.60			86.7	328.00	1,355.60
Calhoun			535	4,203.07			105.8	18,623.00	22,826.07
Cass			501	4,513.20			104.0	2,743.00	7,256.20
Christian			371	4,445.10			118.1	474.00	4,919.10
Greene			1,272	1,147.55			119.6	4,469.00	5,616.55
Hancock			1,210	767.65			211.6	13,443.00	14,210.65
Jersey			991	2,149.60			91.8	6,518.00	8,667.60
Logan			173	377.30			140.5	605.00	982.30
Macoupin			2,732	4,336.59			139.7	320.00	4,656.59
Mason			299	14,220.40			73.0	1,757.00	15,977.40
Menard			306	451.80			89.3	785.00	1,236.80
Montgomery			1,107	4,820.90			119.8	420.00	5,240.90
Morgan			864	2,792.77			106.6	937.00	3,729.77
Pike			1,968	2,666.82			245.9	9,457.00	12,123.82
Sangamon			944	5,422.80			247.5	1,156.00	6,578.80
Schuyler			994	1,454.65			106.6	401.00	1,855.65
Scott			436	587.10			113.5	2,201.00	2,788.10
Total	---	-----	18,260	58,029.45			2,427.2	73,385.00	131,414.45

Table 2e. Number (or Miles) and Acres of Surface Waters by Water Type (1983)

REGION 3B - COUNTY SUMMARY

REGION 3B (16 Counties)									
County	LAKE MICHIGAN		RESERVOIRS		IMPOUNDMENTS		STREAMS		TOTAL ACRES
	No.	Acres	No.	Acres	No.	Acres	Miles	Acres	
Champaign					126	394.50	120.8	374.00	768.50
Clark					1,143	1,731.30	89.0	651.00	2,382.30
Coles					265	890.90	106.7	492.00	1,382.90
Cumberland					793	690.60	110.3	268.00	958.60
DeWitt					215	5,219.50	86.0	215.00	5,434.50
Douglas					144	249.30	87.4	304.00	553.30
Edgar					244	466.00	98.4	161.00	627.00
Ford					87	178.60	40.5	106.00	284.60
Iroquois					140	541.00	148.5	923.00	1,464.00
Livingston					392	685.20	119.4	936.00	1,621.20
Macon					172	3,345.80	95.5	326.00	3,671.80
McLean					564	2,102.80	177.6	552.00	2,654.80
Moultrie			-	5,550.00	238	236.70	27.3	75.00	5,861.70
Piatt					79	172.30	73.4	274.00	446.30
Shelby			1	5,550.00	676	890.84	131.1	318.00	6,758.84
Vermilion					252	1,866.90	164.2	1,003.00	2,869.90
Total	---	-----	1	11,100.00	5,530	19,662.24	1,676.1	6,978.00	37,740.24

Table 2f. Number (or Miles) and Acres of Surface Waters by Water Type (1983)

REGION 4 - COUNTY SUMMARY

REGION 4 (7 Counties)									
County	LAKE MICHIGAN		RESERVOIRS		IMPOUNDMENTS		STREAMS		TOTAL ACRES
	No.	Acres	No.	Acres	No.	Acres	Miles	Acres	
Bond			-	850.00	1,294	2,042.50	58.1	247.00	3,139.50
Clinton			1	18,930.00	942	799.60	141.4	744.00	20,473.60
Madison					2,169	6,435.15	166.9	5,145.00	11,580.15
Monroe					1,582	1,911.60	103.6	5,159.00	7,070.60
Randolph					1,316	2,839.50	141.8	6,044.00	8,883.50
St. Clair					1,552	3,832.41	123.6	2,277.00	6,109.41
Washington					1,480	1,694.79	76.6	521.00	2,215.79
Total	---	-----	1	19,780.00	10,335	19,555.55	812.0	20,137.00	59,472.55

Table 2g. Number (or Miles) and Acres of Surface Waters by Water Type (1983)

REGION 5 - COUNTY SUMMARY

REGION 5 (27 Counties)									
County	LAKE MICHIGAN		RESERVOIRS		IMPOUNDMENTS		STREAMS		TOTAL ACRES
	No.	Acres	No.	Acres	No.	Acres	Miles	Acres	
Alexander			370	2,296.55			127.7	7,599.00	9,895.55
Clay			1,113	830.50			143.7	430.00	1,260.50
Crawford			1,268	943.50			115.5	1,089.00	2,032.50
Edwards			770	470.85			13.8	111.00	581.85
Effingham			1,015	1,263.10			100.3	180.00	1,443.10
Fayette	-	4,800.00	1,251	1,783.25			113.2	722.00	7,305.25
Franklin	1	8,878.00	1,666	2,249.40			58.0	252.00	11,379.40
Gallatin			442	637.30			60.5	1,273.00	1,910.30
Hamilton			1,560	879.90			67.5	181.00	1,060.90
Hardin			493	422.60			23.1	102.00	524.60
Jackson			1,496	4,992.50			132.6	4,127.00	9,119.50
Jasper			1,263	2,610.40			103.4	727.00	3,337.40
Jefferson	-	10,022.00	2,304	1,528.40			62.0	147.00	11,697.40
Johnson			1,753	2,941.40			104.5	216.00	3,157.40

continued

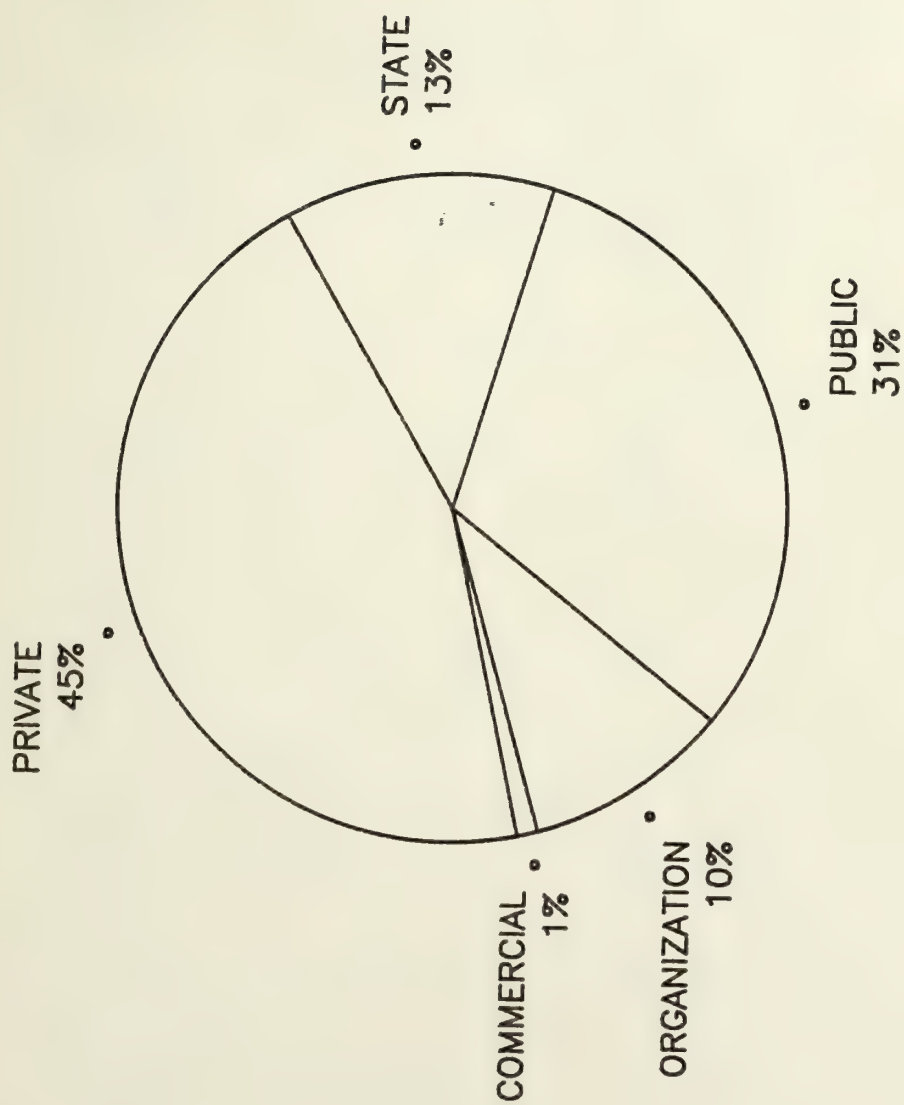
Table 2g. Number (or Miles) and Acres of Surface Waters by Water Type (1983)

REGION 5 - COUNTY SUMMARY

REGION 5 (27 Counties)-continued									
County	LAKE MICHIGAN		RESERVOIRS		IMPOUNDMENTS		STREAMS		TOTAL ACRES
	No.	Acres	No.	Acres	No.	Acres	Miles	Acres	
Lawrence					745	686.00	94.3	1,494.00	2,180.00
Marion					1,758	3,074.70	64.3	125.00	3,199.70
Massac					914	1,269.90	20.0	86.00	1,355.90
Perry					1,468	2,160.60	80.1	205.00	2,365.60
Pope					1,023	881.67	78.3	196.00	1,077.67
Pulaski					784	594.30	25.4	107.00	701.30
Richland					901	1,891.10	42.6	144.00	2,035.10
Saline					1,241	2,368.80	83.5	252.00	2,620.80
Union					1,973	3,070.70	65.3	3,014.00	6,084.70
Wabash					497	340.55	76.3	2,259.00	2,599.55
Wayne					2,170	1,518.90	112.0	422.00	1,940.90
White					924	974.10	133.8	3,274.00	4,248.10
Williamson					1,987	12,419.90	76.0	279.00	12,698.90
Total	---	-----	1	23,700.00	33,149	55,100.87	2,177.7	29,013.00	107,813.87

REGIONAL AND COUNTY SUMMARY
OF IMPOUNDMENTS
BY OWNERSHIP CATEGORY

FIG. 3. ACRES OF IMPOUNDMENTS
BY OWNERSHIP CATEGORY (1983)



TOTAL = 249,125 ACRES

TABLE 3. Number and Acres of Impoundments by Ownership Category (1983).

REGION SUMMARY

Region	State		Public		Organization		Commercial		Private		Total	
	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres
1A	12	635.70	26	4,896.80	57	2,299.20	21	217.60	1,534	2,693.15	1,650	10,742.45
1B	26	9,202.40	44	9,233.90	401	4,083.10	64	645.70	9,402	23,425.69	9,937	46,590.79
2	51	2,685.50	262	11,565.75	924	11,581.70	91	376.30	4,376	13,234.40	5,704	39,443.65
3A	25	4,535.90	98	23,114.40	134	2,220.50	97	591.70	17,906	27,566.95	18,260	58,029.45
3R	44	5,598.00	88	7,407.60	175	1,246.50	37	170.50	5,186	5,239.64	5,530	19,662.24
4	7	2,721.30	30	1,655.90	171	1,525.10	122	707.40	10,005	12,945.85	10,335	19,555.55
5	62	6,526.15	101	19,761.20	122	1,895.40	75	336.00	32,789	26,582.12	33,149	55,100.87
Total	227	31,904.95	649	77,635.55	1,984	24,851.50	507	3,045.20	81,198	111,687.80	84,565	249,125.00

TABLE 3a. Number and Acres of Impoundments by Ownership Category (1983).

REGION 1A - COUNTY SUMMARY

REGION 1A (9 Counties)

County	State		Public		Organization		Commercial		Private		Total	
	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres
Boone			2	2.40	6	425.60	1	1.00	108	113.50	117	542.50
Carroll	1	1.00	3	3,950.00	1	600.00	1	8.60	139	365.90	145	4,925.50
DeKalb	1	320.00	1	3.80	8	28.00	5	38.70	162	215.70	177	606.20
JoDaviess			4	503.00	3	621.00			158	355.00	165	1,479.00
Lee					4	86.00	6	57.40	385	601.50	395	744.90
Ogle					7	79.00	2	24.00	144	182.95	153	285.95
Stephenson	1	43.40	2	4.00	2	10.00			131	209.90	136	267.30
Whiteside	6	107.60	4	367.50	4	41.50	2	15.50	137	297.80	153	829.90
Winnebago	3	163.70	10	66.10	22	408.10	4	72.40	170	350.90	209	1,061.20
Total	12	635.70	26	4,896.80	57	2,299.20	21	217.60	1,534	2,693.15	1,650	10,742.45

TABLE 3b. Number and Acres of Impoundments by Ownership Category (1983).

REGION 1B - COUNTY SUMMARY

REGION 1B (16 Counties)											
County	State		Public		Organization		Commercial		Private		Total
	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	
Bureau	4	564.00	1	724.50	16	223.20			233	705.70	254 2,217.40
Fulton	2	2,746.80	6	293.00	131	771.60	18	523.10	2,543	7,638.20	2,700 11,972.70
Henderson	1	27.00	2	144.70	1	375.00			291	477.05	295 1,023.75
Henry	8	67.50	2	6.50	45	212.70			363	603.30	418 890.00
Knox			1	132.50	114	577.00	1	19.50	1,468	1,622.80	1,584 2,351.80
LaSalle			2	70.20	13	397.20	4	11.00	619	3,017.05	638 3,495.45
Marshall	3	3,869.00			5	254.50			138	1,993.00	146 6,116.50
McDonough	1	95.10	4	285.90	3	7.30	3	5.00	615	398.70	626 792.00
Mercer			3	627.00	3	190.00	4	38.00	562	621.10	572 1,476.10
Peoria			5	35.10	25	154.60	6	7.70	946	1,414.29	982 1,611.69
Putnam			5	6,669.00	4	130.50	4	0.80	97	450.10	110 7,250.40
Rock Island			5	171.40	1	55.00	8	12.40	301	538.20	315 777.00
Stark					1	25.00			93	165.40	94 190.40
Tazewell	7	1,833.00	6	30.50	30	352.20	7	15.40	417	1,974.90	467 4,206.00
Warren			1	13.60	3	322.90			322	384.50	326 721.00
Woodford			1	30.00	6	34.40	9	12.80	394	1,421.40	410 1,498.60
Total	26	9,202.40	44	9,233.90	401	4,083.10	64	645.70	9,402	23,425.69	9,937 46,590.79

TABLE 3c. Number and Acres of Impoundments by Ownership Category (1983).

REGION 2 - COUNTY SUMMARY

REGION 2 (9 Counties)												
County	State		Public		Organization		Commercial		Private		Total	
	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres
Cook	4	434.20	127	4,606.05	292	1,258.60	11	36.50	843	1,440.50	1,277	7,775.85
DuPage			61	329.00	155	493.50	9	13.10	353	388.60	578	1,224.20
Grundy	12	1,974.50			89	850.10	2	60.00	141	1,401.95	244	4,286.55
Kane			8	69.60	63	281.40	44	36.20	373	425.70	488	812.90
Kankakee			2	9.50	11	138.60	5	27.50	125	348.90	143	524.50
Kendall	10	26.30	2	3.90	12	48.80			148	175.75	172	254.75
Lake	15	84.70	49	6,208.00	127	5,029.30	4	28.60	766	2,398.70	961	13,749.30
McHenry	8	75.50	5	323.40	38	2,662.70	10	22.60	728	996.10	789	4,080.30
Will	<u>2</u>	<u>90.30</u>	<u>8</u>	<u>16.30</u>	<u>137</u>	<u>818.70</u>	<u>6</u>	<u>151.80</u>	<u>899</u>	<u>5,658.20</u>	<u>1,052</u>	<u>6,735.30</u>
Total	51	2,685.50	262	11,565.75	924	11,581.70	91	376.30	4,376	13,234.40	5,704	39,443.65

REGION 3A - COUNTY SUMMARY

REGION 3A (18 Counties)

County	State		Public		Organization		Commercial		Private		Total	
	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres
Adams	1	58.00	7	30.60	8	92.00	5	98.50	2,504	2,365.45	2,525	2,644.55
Brown	-		1	26.10			3	4.50	1,028	997.00	1,032	1,027.60
Calhoun			10	2,943.10	18	638.40			507	621.57	535	4,203.07
Cass	-	600.00	2	627.00	11	32.00	2	4.00	486	3,250.20	501	4,513.20
Christian	3	2,551.10	10	1,402.10	5	70.00	7	73.40	346	348.50	371	4,445.10
Greene			5	103.70	8	18.50	2	7.70	1,257	1,017.65	1,272	1,147.55
Hancock	1	12.60	5	78.00	1	0.30	2	50.00	1,201	626.75	1,210	767.65
Jersey			8	1,369.10	4	34.80	15	59.80	964	685.90	991	2,149.60
Logan					7	121.80	10	.81.90	156	173.60	173	377.30
Macoupin	1	56.60	14	1,439.60	26	403.40	23	121.70	2,668	2,315.29	2,732	4,336.59
Mason	17	1,103.30	5	5,947.50	2	52.90	1	0.50	274	7,116.20	299	14,220.40
Menard			3	2.20	4	208.20			299	241.40	306	451.80
Montgomery			6	2,740.30	10	50.30	6	12.00	1,085	2,018.30	1,107	4,820.90
Morgan			7	1,857.50	8	166.80	2	4.70	847	763.77	864	2,792.77
Pike			2	257.10	1	33.80	4	42.00	1,961	2,333.92	1,968	2,666.82
Sangamon	1	150.50	12	4,286.70	16	82.10	15	31.00	900	872.50	944	5,422.80
Schuyler	1	3.80	1	3.80	2	19.70			990	1,427.35	994	1,454.65
Scott	-		-		3	195.50	-		433	391.60	436	587.10
Total	25	4,535.90	98	23,114.40	134	2,220.50	97	591.70	17,906	27,566.95	18,260	58,029.45

REGION 3B - COUNTY SUMMARY

REGION 3B (16 Counties)

County	State		Public		Organization		Commercial		Private		Total	
	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres
Champaign			10	117.10	15	106.40	5	22.00	96	149.00	126	394.50
Clark	1	145.60	3	815.10	7	19.60			1,132	751.00	1,143	1,731.30
Coles	2	17.60	5	627.00	1	3.00			257	243.30	265	890.90
Cumberland			3	340.20	4	16.20	1	4.00	785	330.20	793	690.60
DeWitt	2	5,029.40	4	14.50	10	19.70	3	5.00	196	150.90	215	5,219.50
Douglas	1	58.70			3	46.30			140	144.30	144	249.30
Edgar			2	219.50	3	9.00			239	237.50	244	466.00
Ford					5	30.00	1	5.00	81	143.60	87	178.60
Iroquois			1	1.00	10	270.30	4	41.00	125	228.70	140	541.00
Livingston			2	7.10	4	8.00	5	21.60	381	648.50	392	685.20
Macon			6	3,101.20	5	16.20	1	1.00	160	227.40	172	3,345.80
McLean	1	158.00	5	1,347.70	13	77.80	8	52.30	537	467.00	564	2,102.80
Moultrie	1	0.70	26	46.10	10	26.40			201	163.50	238	236.70
Piatt			7	24.10	3	2.50	1	1.30	68	144.40	79	172.30
Shelby	5	3.50	5	523.30	5	23.70	4	6.30	657	334.04	676	890.84
Vermilion	31	184.50	9	223.70	77	571.40	4	11.00	131	876.30	252	1,866.90
Total	44	5,598.00	88	7,407.60	175	1,246.50	37	170.50	5,186	5,239.64	5,530	19,662.24

TABLE 3f. Number and Acres of Impoundments by Ownership Category (1983).

REGION 4 - COUNTY SUMMARY

REGION 4 (7 Counties)												
County	State		Public		Organization		Commercial		Private		Total	
	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres
Bond			2	800.10	7	48.10	8	67.50	1,277	1,126.80	1,294	2,042.50
Clinton					8	31.50	1	4.50	933	763.60	942	799.60
Madison			9	583.50	43	837.60	26	108.00	2,091	4,906.05	2,169	6,435.15
Monroe			4	46.90	43	160.80	30	81.00	1,505	1,622.90	1,582	1,911.60
Randolph	3	1,351.30	3	94.50	9	67.60	9	105.00	1,292	1,221.10	1,316	2,839.50
St. Clair	3	1,122.00	8	56.20	57	350.20	40	280.50	1,444	2,023.51	1,552	3,832.41
Washington	1	248.00	4	74.70	4	29.30	8	60.90	1,463	1,281.89	1,480	1,694.79
Total	7	2,721.30	30	1,655.90	171	1,525.10	122	707.40	10,005	12,945.85	10,335	19,555.55

TABLE 3g. Number and Acres of Impoundments by Ownership Category (1983).

REGION 5 - COUNTY SUMMARY

REGION 5 (27 Counties)

County	State		Public		Organization		Commercial		Private		Total	
	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres
Alexander	1	1,890.00	2	12.60	1	18.80	2	7.50	364	367.65	370	2,296.55
Clay			2	11.40	6	116.40			1,105	702.70	1,113	830.50
Crawford			1	5.50	7	51.30			1,260	886.70	1,268	943.50
Edwards			4	44.20	3	27.40			763	399.25	770	470.85
Effingham			2	606.00	4	15.60	6	43.00	1,003	598.50	1,015	1,263.10
Fayette	5	50.85	5	761.10	4	25.40	3	22.50	1,234	923.40	1,251	1,783.25
Franklin	1	0.40	15	805.90	7	164.90	3	42.50	1,640	1,235.70	1,666	2,249.40
Gallatin			2	49.60	1	10.20			439	577.50	442	637.30
Hamilton	1	71.30	2	78.10			3	10.60	1,554	719.90	1,560	879.90
Hardin			2	15.00			35	30.10	456	377.50	493	422.60
Jackson	3	151.00	3	2,894.10	13	429.80	2	6.50	1,475	1,511.10	1,496	4,992.50
Jasper	2	1,880.00			4	24.50			1,257	705.90	1,263	2,610.40
Jefferson	1	7.70	4	127.20	4	233.50			2,295	1,160.00	2,304	1,528.40
Johnson	4	296.00	3	178.40	1	18.00	1	50.00	1,744	2,399.00	1,753	2,941.40

continued

TABLE 3g. Number and Acres of Impoundments by Ownership Category (1983).

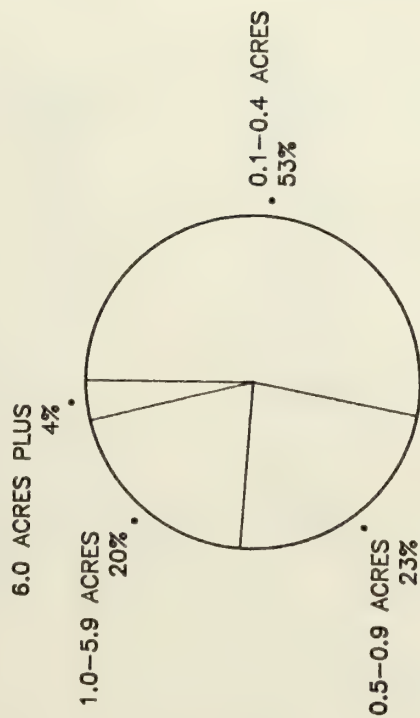
REGION 5 - COUNTY SUMMARY

REGION 5 (27 Counties)-continued

County	State		Public		Organization		Commercial		Private		Total	
	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres
Lawrence	1	40.00	1	9.00	7	71.50			736	565.50	745	686.00
Marion	5	529.60	7	1,521.80	12	165.60	2	14.00	1,732	843.70	1,758	3,074.70
Massac	1	452.00			4	46.60			909	771.30	914	1,269.90
Perry	25	134.70	2	348.00	6	39.30			1,435	1,638.60	1,468	2,160.60
Pope			6	307.50			1	8.00	1,016	566.17	1,023	881.67
Pulaski			1	4.60	1	3.40	7	30.00	775	556.30	784	594.30
Richland			3	1,325.70	1	1.70			897	563.70	901	1,891.10
Saline	1	105.00	13	435.80	4	45.80	5	21.00	1,218	1,761.20	1,241	2,368.80
Union	10	723.60	5	1,025.00	2	5.90			1,956	1,316.20	1,973	3,070.70
Wabash			1	1.00	3	113.80			493	225.75	497	340.55
Wayne	1	194.00	2	14.30	5	51.80			2,162	1,258.80	2,170	1,518.90
White			2	30.30	2	55.90			920	887.90	924	974.10
Williamson			11	9,149.10	20	158.30	5	50.30	1,951	3,062.20	1,987	12,419.90
Total	62	6,526.15	101	19,761.20	122	1,895.40	75	336.00	32,789	26,582.12	33,149	55,100.87

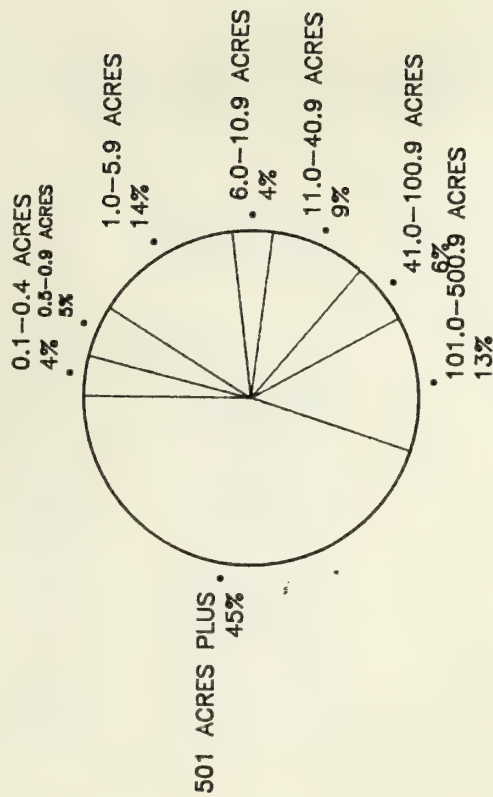
NUMBER AND ACRES
OF IMPOUNDMENTS
BY SIZE CATEGORIES

FIG. 4. NUMBER OF IMPOUNDMENTS
BY SIZE CATEGORY (1983)



TOTAL =
84,565 IMPOUNDMENTS

FIG. 5. ACRES OF IMPOUNDMENTS
BY SIZE CATEGORY (1983)



TOTAL =
249,125 ACRES

TABLE 4. Statewide Summary of Number and Acres of Impoundments By Size Categories (1983)

IMPOUNDMENTS

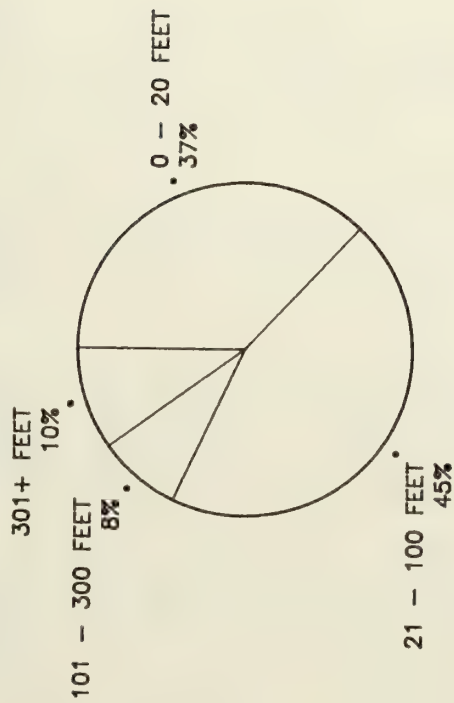
Size Categories (Acres)	Artificial		Natural	
	Number	Total Acreage	Number	Total Acreage
0.1 to 0.4	42,976	9,736.70	1,526	386.90
0.5 to 0.9	19,004	12,030.30	838	581.70
1.0 to 5.9	16,114	31,111.50	1,192	2,995.20
6.0 to 10.9	1,047	8,097.20	202	1,639.70
11.0 to 40.9	883	16,426.30	307	6,292.90
41.0 to 100.9	156	9,182.90	90	5,624.70
101.0 to 500.9	78	16,201.60	78	16,361.30
501 PLUS	42	65,954.00	32	46,502.10
TOTAL	80,300	168,740.50	4,265	80,384.50
PERCENT	94.96%	67.73%	5.04%	32.27%

COMBINED TOTAL OF ARTIFICIAL AND NATURAL IMPOUNDMENTS

Size Categories (Acres)	Artificial		Natural	
	Number	Percent	Acreage	Percent
0.1 to 0.4	44,502	52.62	10,123.60	4.06
0.5 to 0.9	19,842	23.46	12,612.00	5.06
1.0 to 5.9	17,306	20.47	34,106.70	13.69
6.0 to 10.9	1,249	1.48	9,736.90	3.91
11.0 to 40.9	1,190	1.41	22,719.20	9.12
41.0 to 100.9	246	0.29	14,807.60	5.95
101.0 to 500.9	156	0.18	32,562.90	13.07
501 PLUS	74	0.09	112,456.10	45.14
TOTAL	84,565	100.00%	249,125.00	100.00%
PONDS (0.1 to 5.9 Acres)	81,650	96.55%	56,842.30	22.82%
LAKES (6.0 Acres Plus)	2,915	3.45%	192,282.70	77.18%

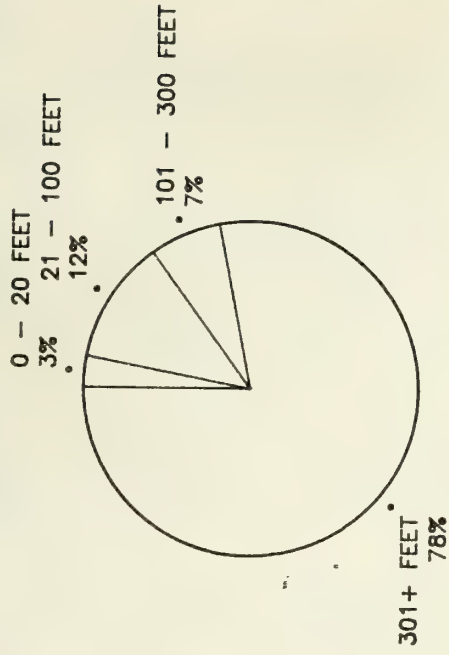
REGIONAL SUMMARY
OF STREAMS
BY WIDTH CATEGORIES

FIG. 6. MILES OF STREAMS
BY WIDTH CATEGORY



TOTAL = 13,204 MILES

FIG. 7. ACRES OF STREAMS
BY WIDTH CATEGORY



TOTAL = 256,574 ACRES

Table 5. Miles and Acres of Streams by Width Categories (1983)

REGIONAL SUMMARY

Region	0-20 ft. wide		21-100 ft. wide		101-300 ft. wide		301 plus ft. wide		Total	
	Miles	Acres	Miles	Acres	Miles	Acres	Miles	Acres	Miles	Acres
1A	894.9	1,304.00	635.5	3,417.00	104.8	1,518.00	200.5	32,533.00	1,835.7	38,772.00
1B	808.9	1,140.00	1,355.8	7,106.00	151.7	2,123.00	323.5	59,085.00	2,639.9	69,454.00
2	725.6	1,057.00	556.6	3,030.00	206.1	5,115.00	147.1	9,633.00	1,635.4	18,835.00
3A	922.9	1,381.00	1,052.2	5,129.00	157.0	2,940.00	295.1	63,935.00	2,427.2	73,385.00
3B	730.5	1,065.00	829.3	4,116.00	95.8	1,315.00	20.5	482.00	1,676.1	6,978.00
4	133.2	193.00	466.0	2,037.00	102.0	2,163.00	110.8	15,744.00	812.0	20,137.00
5	<u>699.4</u>	<u>1,019.00</u>	<u>1,021.1</u>	<u>5,049.00</u>	<u>175.0</u>	<u>2,579.00</u>	<u>282.2</u>	<u>20,366.00</u>	<u>2,177.7</u>	<u>29,013.00</u>
Total	4,915.4	7,159.00	5,916.5	29,884.00	992.4	17,753.00	1,379.7	201,778.00	13,204.0	256,574.00

ALPHABETICAL LISTING BY COUNTY
OF SURFACE WATERS,
BY WATER TYPES

TABLE 6. Alphabetical Listing by County of Surface Waters, by Water Types (1983)

COUNTY	LAKE MICHIGAN		RESERVOIRS		IMPOUNDMENTS		STREAMS		TOTAL ACRES
	No.	Acres	No.	Acres	No.	Acres	Miles	Acres	
Adams			2,525	2,644.55			207.2	8,748.00	11,392.55
Alexander			370	2,296.55			127.7	7,599.00	9,895.55
Bond			1,294	2,042.50			58.1	247.00	3,139.50
Boone		850.00	117	542.50			134.7	349.00	891.50
Brown			1,032	1,027.60			86.7	328.00	1,355.60
Bureau			254	2,217.40			280.2	1,464.00	3,681.40
Calhoun			535	4,203.07			105.8	18,623.00	22,826.07
Carroll			145	4,925.50			175.3	9,521.00	14,446.50
Cass			501	4,513.20			104.0	2,743.00	7,256.20
Champaign			126	394.50			120.8	374.00	768.50
Christian			371	4,445.10			118.1	474.00	4,919.10
Clark			1,143	1,731.30			89.0	651.00	2,382.30
Clay			1,113	830.50			143.7	430.00	1,260.50
Clinton	1	18,930.00	942	799.60			141.4	744.00	20,473.60
Coles			265	890.90			106.7	492.00	1,382.90
Cook			1,277	7,775.85			409.4	3,708.00	441,205.85
Crawford	-	429,722.00	1,268	943.50			115.5	1,089.00	2,032.50
Cumberland			793	690.60			110.3	268.00	958.60
DeKalb			177	606.20			249.8	617.00	1,223.20
DeWitt			215	5,219.50			86.0	215.00	5,434.50
Douglas			144	249.30			87.4	304.00	553.30
DuPage			578	1,224.20			111.1	574.00	1,798.20
Edgar			244	466.00			98.4	161.00	627.00
Edwards			770	470.85			13.8	111.00	581.85
Effingham			1,015	1,263.10			100.3	180.00	1,443.10
Fayette	-	4,800.00	1,251	1,783.25			113.2	722.00	7,305.25
Ford			87	178.60			40.5	106.00	284.60
Franklin	1	8,878.00	1,666	2,249.40			58.0	252.00	11,379.40
Fulton			2,700	11,972.70			310.2	3,122.00	15,094.70
Gallatin			442	637.30			60.5	1,273.00	1,910.30

TABLE 6 - continued.

COUNTY	LAKE MICHIGAN		RESERVOIRS		IMPOUNDMENTS		STREAMS		TOTAL ACRES
	No.	Acres	No.	Acres	No.	Acres	Miles	Acres	
Greene			1,272	1,147.55			119.6	4,469.00	5,616.55
Grundy			244	4,286.55			158.9	2,931.00	7,217.55
Hamilton			1,560	879.90			67.5	181.00	1,060.90
Hancock			1,210	767.65			211.6	13,443.00	14,210.65
Hardin			493	422.60			23.1	102.00	524.60
Henderson			295	1,023.75			131.0	12,110.00	13,133.75
Henry			418	890.00			196.6	1,964.00	2,854.00
Iroquois			140	541.00			148.5	923.00	1,464.00
Jackson			1,496	4,992.50			132.6	4,127.00	9,119.50
Jasper			1,263	2,610.40			103.4	727.00	3,337.40
Jefferson			2,304	1,528.40			62.0	147.00	11,697.40
Jersey			991	2,149.60			91.8	6,518.00	8,667.60
JoDavieess			165	1,479.00			190.8	9,892.00	11,371.00
Johnson			1,753	2,941.40			104.5	216.00	3,157.40
Kane			488	812.90			194.9	1,534.00	2,346.90
Kankakee			143	524.50			89.7	1,877.00	2,401.50
Kendall			172	254.75			81.1	1,189.00	1,443.75
Knox			1,584	2,351.80			176.3	577.00	2,928.80
Lake	1	546,918.00	961	13,749.30			221.5	1,025.00	561,692.30
LaSalle			638	3,495.45			223.0	5,843.00	9,338.45
Lawrence			745	686.00			94.3	1,494.00	2,180.00
Lee			395	744.90			190.0	2,781.00	3,525.90
Livingston			392	685.20			119.4	936.00	1,621.20
Logan			173	377.30			140.5	605.00	982.30
Macon			172	3,345.80			95.5	326.00	3,671.80
Macoupin			2,732	4,336.59			139.7	320.00	4,656.59
Madison			2,169	6,435.15			166.9	5,145.00	11,580.15
Marion			1,758	3,074.70			64.3	125.00	3,199.70
Marshall			146	6,116.50			90.0	2,706.00	8,822.50
Mason			299	14,220.40			73.0	1,757.00	15,977.40

TABLE 6 - continued.

COUNTY	LAKE MICHIGAN		RESERVOIRS		IMPOUNDMENTS		STREAMS		TOTAL ACRES
	No.	Acres	No.	Acres	No.	Acres	Miles	Acres	
Massac			914	1,269.90			20.0	86.00	1,355.90
McDonough			626	792.00			121.0	270.00	1,062.00
McHenry			789	4,080.30			157.9	1,183.00	5,263.30
McLean			564	2,102.80			177.6	552.00	2,654.80
Menard			306	451.80			89.3	785.00	1,236.80
Mercer			572	1,476.10			167.5	6,910.00	8,386.10
Monroe			1,582	1,911.60			103.6	5,159.00	7,070.60
Montgomery			1,107	4,820.90			119.8	420.00	5,240.90
Morgan			864	2,792.77			106.6	937.00	3,729.77
Moultrie			238	236.70			27.3	75.00	5,861.70
Ogle			153	285.95			200.5	3,072.00	3,357.95
Peoria		5,550.00	982	1,611.69			158.7	496.00	2,107.69
Perry			1,468	2,160.60			80.1	205.00	2,365.60
Piatt			79	172.30			73.4	274.00	446.30
Pike			1,968	2,666.82			245.9	9,457.00	12,123.82
Pope			1,023	881.67			78.3	196.00	1,077.67
Pulaski			784	594.30			25.4	107.00	701.30
Putnam			110	7,250.40			20.4	914.00	8,164.40
Randolph			1,316	2,839.50			141.8	6,044.00	8,883.50
Richland			901	1,891.10			42.6	144.00	2,035.10
Rock Island			315	777.00			237.9	15,912.00	16,689.00
Saline			1,241	2,368.80			83.5	252.00	2,620.80
Sangamon			944	5,422.80			247.5	1,156.00	6,578.80
Schuyler			994	1,454.65			106.6	401.00	1,855.65
Scott			436	587.10			113.5	2,201.00	2,788.10
Shelby			676	890.84			131.1	318.00	6,758.84
Stark			94	190.40			103.4	287.00	477.40
St. Clair			1,552	3,832.41			123.6	2,277.00	6,109.41
Stephenson			136	267.30			152.1	839.00	1,106.30
Tazewell			467	4,206.00			186.0	3,340.00	7,546.00
		5,550.00	1						

TABLE 6 - continued.

COUNTY	LAKE MICHIGAN		RESERVOIRS		IMPOUNDMENTS		STREAMS		TOTAL ACRES
	No.	Acres	No.	Acres	No.	Acres	Miles	Acres	
Union			1,973	3,070.70			65.3	3,014.00	6,084.70
Vermilion			252	1,866.90			164.2	1,003.00	2,869.90
Wabash			497	340.55			76.3	2,259.00	2,599.55
Warren			326	721.00			137.6	574.00	1,295.00
Washington			1,480	1,694.79			76.6	521.00	2,215.79
Wayne			2,170	1,518.90			112.0	422.00	1,940.90
White			924	974.10			133.8	3,274.00	4,248.10
Whiteside			153	829.90			321.2	8,610.00	9,439.90
Will			1,052	6,735.30			210.9	4,814.00	11,549.30
Williamson			1,987	12,419.90			76.0	279.00	12,698.90
Winnebago			209	1,061.20			221.3	3,091.00	4,152.20
Woodford			410	1,498.60			100.1	12,965.00	14,463.60
Illinois	1	976,640.0	3	54,580.00	84,565	249,125.00	13,204.0	256,574.00	1,536,919.00

